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TI - SAFETY DEVICE FOR CONSTRUCTION MACHINERY  
IN - SAGI KAZUYUKI  
PA - YUTANI JUKO KK  
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IN - SAGI KAZUYUKI  
PA - YUTANI HEAVY IND LTD  
TI - SAFETY DEVICE FOR CONSTRUCTION MACHINERY  
AB - PURPOSE: To prevent a danger from occurring by returning automatically a control box to the rear end position when an operator leaves his seat, and inclining and moving the control box when the operator takes his seat.  
- CONSTITUTION: When an operator takes an operator's seat 2', a switch 29 is turned ON, and pressure oil is supplied to an oil chamber 38 of a loose spring cylinder from a hydraulic source 43. At that time, the loose spring cylinder 35 is reduced and operated, and a control box 3 is automatically inclined forward. The operator pushes a knob 5 to fix the control box 3. After that, when the operator leaves the operator's seat 2', the switch 29 is turned OFF, oil pressure in the oil chamber 38 is reduced, so that the loose spring cylinder 35 makes extension work by spring force of a built-in spring 39. The control box 3 is automatically inclined backward, and a control lever 4 is automatically and surely locked.  
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(71) Applicant: **YUTANI HEAVY IND LTD**

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(54) **SAFETY DEVICE FOR CONSTRUCTION  
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(57) Abstract:

**PURPOSE:** To prevent a danger from occurring by returning automatically a control box to the rear end position when an operator leaves his seat, and inclining and moving the control box when the operator takes his seat.

**CONSTITUTION:** When an operator takes an operator's seat 2', a switch 29 is turned ON, and pressure oil is supplied to an oil chamber 38 of a loose spring cylinder from a hydraulic source 43. At that time, the loose spring cylinder 35 is reduced and operated, and a control box 3 is automatically inclined forward. The operator pushes a knob 5 to fix the control box 3. After that, when the operator leaves the operator's seat 2', the switch 29 is turned OFF, oil pressure in the oil chamber 38 is reduced, so that the loose spring cylinder 35 makes extension work by spring force of a built-in spring 39. The control box 3 is automatically inclined backward, and a control lever 4 is automatically and surely locked.

